### RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	10/575,2538
Source:	Thuo.
Date Processed by STIC:	. 2/15/07

# ENTERED

#### CRF Errors Edited by the STIC Systems Branch

Serial	Number: 10/575,253B	CRF Edit Date: 2/15/0
<del></del>	Realigned nucleic acid/amino acid numbers/text text "wrapped" to the next line	in cases where the sequence
·	Corrected the SEQ ID NO. Sequence numbers e	edited were:
<u> </u>	Inserted or corrected a nucleic number at the en NO's edited:	d of a nucleic line. SEQ ID
	Deleted: invalid beginning/end-of-file text;	page numbers
·	Inserted mandatory headings/numeric identifier	s, specifically:
•	Moved responses to same line as heading/numeri	ic identifier, specifically:
	Other: Segs 7-8 - corrected areso	acid humbering

Revised 09/09/2003



**IFWO** 

RAW SEQUENCE LISTING DATE: 02/15/2007
PATENT APPLICATION: US/10/575,253B TIME: 19:49:59

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Output Set: N:\CRF4\02152007\J575253B.raw

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 5 <120> TITLE OF INVENTION: GENOMICALLY MODIFIED CELL NEUTRALIZED TO SERUM-FREE SYSTEM
 7 <130> FILE REFERENCE: 249-423
 9 <140> CURRENT APPLICATION NUMBER: 10/575,253B
10 <141> CURRENT FILING DATE: 2006-04-10
12 <150> PRIOR APPLICATION NUMBER: PCT/JP2004/015315
13 <151> PRIOR FILING DATE: 2004-10-08
15 <150> PRIOR APPLICATION NUMBER: JP2003-350166 .
16 <151> PRIOR FILING DATE: 2003-10-09
18 <160> NUMBER OF SEQ ID NOS: 32
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PATENT APPLICATION: US/10/575,253B TIME: 19:49:59

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**RAW SEQUENCE LISTING**PATENT APPLICATION: **US/10/575,253B**DATE: 02/15/2007

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PATENT APPLICATION: US/10/575,253B TIME: 19:49:59

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\02152007\J575253B.raw

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DATE: 02/15/2007

PATENT APPLICATION: US/10/575,253B

TIME: 19:50:00

Input Set : A:\PTO.AMC.txt

## Raw Sequence Listing before editing (for reference only)



**IFWO** 

RAW SEQUENCE LISTING DATE: 02/12/2007 PATENT APPLICATION: US/10/575,253B TIME: 09:56:04

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- 5 <120> TITLE OF INVENTION: GENOMICALLY MODIFIED CELL NEUTRALIZED TO SERUM-FREE SYSTEM
- 7 <130> FILE REFERENCE: 249-423
- 9 <140> CURRENT APPLICATION NUMBER: 10/575,253B
- 10 <141> CURRENT FILING DATE: 2006-04-10
- 12 <150> PRIOR APPLICATION NUMBER: PCT/JP2004/015315
- 13 <151> PRIOR FILING DATE: 2004-10-08
- 15 <150> PRIOR APPLICATION NUMBER: JP2003-350166
- 16 <151> PRIOR FILING DATE: 2003-10-09
- 18 <160> NUMBER OF SEQ ID NOS: 32
- 20 <170> SOFTWARE: PatentIn Ver. 2.1

# Does Not Comply Corrected Diskette Needed

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609 Asp Trp Arg Glu Lys Glu Ala Lys Asp Leu Thr Glu Leu Val Gln Arg

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640 210		215		220		
642 Gly Phe Lys	His Pro Val	Ile Gly	Val His	Val Arg	Arg Thr	Asp Lys
643 225	230			235		240
645 Val Gly Thr	Glu Ala Ala	Phe His	Pro Ile	Glu Glu	Tyr Met	Val His
646	245		250			255
648 Val Glu Glu	His Phe Gln	Leu Leu	Ala Arg	Arg Met	Gln Val	Asp Lys
-	260		265		270	_
651 Lys Arg Val '	Tyr Leu Ala	_	Asp Pro	Ser Leu	-	Glu Ala
652 275		280		_	285	
654 Lys Thr Lys	Tyr Pro Asn	_	Phe Ile	_	Asn Ser	Ile Ser
655 290		295		300		
657 Trp Ser Ala	=	Asn Arg	Tyr Tnr		ser Leu	_
658 305	310	Dho Tou	Com Clm	315	Dhe Ten	320
660 Val Ile Leu 2	325	Pne Leu		Ala Asp	Pne Leu	335
661 663 Thr Phe Ser		Cre Ara	330	Three Class	Tle Met	
	340	cys Arg	345	Tyr Gru	350	GIII IIII
666 Leu His Pro		Ala Asn		Ser Leu		Tle Tvr
667 355	nop ma ber	360	1110 1110	Der Deu	365	110 171
669 Tyr Phe Gly	Glv Gln Asn		Asn Gln	Ile Ala		Ala His
671 370		375		380		
673 Gln Pro Arg	Thr Ala Asp		Pro Met		Gly Asp	Ile Ile
674 385	390			395		400
676 Gly Val Ala	Gly Asn His	Trp Asp	Gly Tyr	Ser Lys	Gly Val	Asn Arg
677	405		410			415
679 Lys Leu Gly	Arg Thr Gly	Leu Tyr	Pro Ser	Tyr Lys	Val Arg	Glu Lys
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682 Ile Glu Thr	Val Lys Tyr		Tyr Pro	Glu Ala	Glu Lys	
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692 Met Arg Pro	Trp Thr Gly				ren 11e	Leu Phe
0,55 2	_		10 Clv		T 011 1707	15
695 Ala Trp Gly '	20	Fue TAI	25	GIY HIS	30	ard wah
698 Asn Asp His		Ser Ser		Leu Ser		Len Ala
699 35	ocr mob mp	40	ing Gru	LCG DEL	45	LCG ALG
701 Lys Leu Glu	Ara Len Lve		Asn Glu	Asp Len		Met Ala
701 Lys Lea Gla 7	5 270	55	OI a	60	9	
704 Glu Ser Leu	Arg Ile Pro		Pro Ile		Gly Pro	Ala Ser
705 \ 65	70	<b></b> 1		75	J=2	80
707 Gly Arg Val		Glu Glu	Gln Phe		Ala Lys	
- 5	-			•	•	

E-->

RAW SEQUENCE LISTING DATE: 02/12/2007 PATENT APPLICATION: US/10/575,253B TIME: 09:56:04

Input Set : A:\revised sequenc.txt

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711				100	-1-	-1-			105		~- <i>1</i>		1	110	<u>F</u>	
	Glu	Ile	Leu		Ara	Ara	Ile	Glu		Glv	Ala	Lvs	Glu		Tro	Phe
714			115	5	3	5		120		<b>0</b> -1		-,5	125			• • • • •
	Phe	Leu		Ser	Glu	Leu	Lys		Leu	Lvs	Asn	Leu		Glv	Asn	Glu
717	• • • • •	130	<b></b>				135	-1-				140		027		014
	Len		Ara	His	Δla	Asp	Glu	Phe	Len	Ser	Asp		Glv	His	His	Glu
	145	<b></b>				150	024				155		011			160
		Ser	Tle	Met	Thr		Leu	Tvr	Tvr	Len		Gln	Thr	Asp	Glv	
723	5				165	F		-1-	-1-	170					175	
	Glv	Asp	Trp	Ara		Lvs	Glu	Ala	Lvs		Leu	Thr	Glu	Leu		Gln
726	1	F		180		-1-			185					190		
	Ara	Ara	Ile		Tvr	Leu	Gln	Asn		Lvs	Asp	Cvs	Ser		Ala	Lvs
729	5	5	195		-1-			200		-1-	<u>F</u>	-1-	205	-1-		-1-
	Lvs	Leu		Cvs	Asn	Ile	Asn		Glv	Cvs	Glv	Tvr		Cvs	Gln	Leu
732	-2	210		-2			215	-2	2	-1 -	2	220	2	-1-		
	His		Val	Val	Tvr	Cvs	Phe	Met	Ile	Ala	Tvr		Thr	Gln	Ara	Thr
	225				-1-	230					235	2			5	240
		Ala	Leu	Glu	Ser	His	Asn	Trp	Arq	Tyr	Ala	Thr	Gly	Gly	Trp	Glu
738					245				J	250					255	
740	Thr	Val	Phe	Arg	Pro	Val	Ser	Glu	Thr	Cys	Thr	Asp	Arq	Ser	Gly	Ser
741				260					265	•		-		270	-	
743	Ser	Thr	Gly	His	Trp	Ser	Gly	Glu	Val	Lys	Asp	Lys	Asn	Val	Gln	Val
744			275		-		•	280		•	_	-	285			
746	Val	Glu	Leu	Pro	Ile	Val	Asp	Ser	Val	His	Pro	Arg	Pro	Pro	Tyr	Leu
747		290					295					300			-	
749	Pro	Leu	Ala	Val	Pro	Glu	Asp	Leu	Ala	Asp	Arg	Leu	Val	Arg	Val	His
750	305					310					315					320
752	Gly	Asp	${\tt Pro}$	Ala	Val	Trp	Trp	Val	Ser	${\tt Gln}$	Phe	Val	Lys	Tyr	Leu	Ile
753					325					330			•		335	
755	Arg	Pro	Gln	Pro	Trp	Leu	Glu	Lys	Glu	Ile	Glu	Glu	Ala	Thr	Lys	Lys
756				340					345					350		
758	Leu	Gly	Phe	Lys	His	Pro	Val	Ile	Gly	Val	His	Val	Arg	Arg	Thr	Asp
759			355					360					365			
761	Lys	Val	Gly	Ala	Glu	Ala	Ala	Phe	His	Pro	Ile	Glu	Glu	Tyr	Thr	Val
762		370					375					380				
		Val	Glu	Glu	Asp		Gln	Leu	Leu	Ala		Arg	Met	Gln	Val	Asp
765						390					395					400
	Lys	Lys	Arg	Val		Leu	Ala	Thr	Asp		Pro	Ala	Leu	Leu		Glu
768					405					410					415	
	Ala	Lys	Thr		Tyr	Pro	Ser	Tyr		Phe	Ile	Ser	Asp		Ser	Ile
771				420					425					430		
	Ser	Trp		Ala	Gly	Leu	His		Arg	Tyr	Thr	Glu		Ser	Leu	Arg
774	~-7		435	_	_		•	440		_			445	_,		
	Gly		Ile	Leu	Asp	Ile	His	Phe	Leu	Ser	Gln		Asp	Phe	Leu	Vаl
777	_	450	_,			~-	455	_				460				
	_	Thr	Phe	ser	Ser		Val	Cys	Arg	Val		Tyr	GLu	ше	Met	Gln
780	465					470					475					480

RAW SEQUENCE LISTING DATE: 02/12/2007 PATENT APPLICATION: US/10/575,253B TIME: 09:56:04

Input Set : A:\revised sequenc.txt.

782 783	Ala	Leu	His	Pro	Asp 485	Ala	Ser	Ala	Asn	Phe 490	Arg	Ser	Leu	Asp	Asp 495	Ile
785 786	Tyr	Tyr	Phe	Gly 500	Gly	Pro	Asn	Ala	His 505	Asn	Gln	Ile	Ala	Ile 510	Tyr	Pro
.788 789	His	Gln	Pro 515	Arg	Thr	Glu	Gly	Glu 520	Ile	Pro	Met	Glu	Pro 525	Gly	Asp	Ile
791 792	Ile	Gly 530	Val	Ala	Gly	Asn	His 535	Trp	Asp	Gly	Tyr	Pro 540	Lys	Gly	Val	Asn
	Arg 545	Lys	Leu	Gly	Arg	Thr 550	Gly	Leu	Tyr	Pro	Ser 555	Tyr	Lys	Val	Arg	Glu 560
797 798	Lys	Ile	Glu	Thr	Val 565	Lys	Tyr	Pro	Thr	Tyr 570	Pro	Glu	Ala	Asp	Lys 575	

VERIFICATION SUMMARY

DATE: 02/12/2007

PATENT APPLICATION: US/10/575,253B

TIME: 09:56:05

Input Set : A:\revised sequenc.txt

Output Set: N:\CRF4\02122007\J575253B.raw

L:613 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:7 L:705 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:8